

## National 4 Homework 4

### All Questions are Non Calculator

1. Calculate

(a)  $8.54 - 6.947$     (b)  $35.2 \div 5$     (c)  $14.92 \times 70$     (d)  $36 + 7.4 - 1.82$     (e)  $0.08 \div 100$

2. The area of Australia is 7 617 930 square kilometres.

Round this number to 1 significant figure.

3. The temperature in Cairo is  $26^{\circ}\text{C}$  when the temperature in Murmansk is  $-24^{\circ}\text{C}$ .

Find the difference between these two temperatures.

4. The distance between Saturn and the Sun is approximately 14 333 000 000 kilometres.


Write this number in scientific notation.



5. Water from a tap flows at a rate of 7 litres/minute.

(a) How long will it take to fill a 63 litre tank?

(b) How much water comes out of the tap in 4.5 minutes?

6.  A factory which is in operation 6 days a week produces 852 cars per week.  
Find the rate of production per day.

7. Niamh is going to the cinema. The film she wants to see is on in the afternoon and in the evening.

	Afternoon show	Evening show
Start time	1450	
Finish time	1715	2150

(a) How long does the film last?

(b) When does the evening show start?



8. James buys 4 cheeseburgers at £2.79 each, 2 chilliburgers at £2.95 each and 6 cans of juice.  
He hands over £30 and receives £5.86 change.

How much does a can of juice cost?

9. Gordon is flying from Edinburgh to Tokyo on business. He has to change flights in London.

Depart Edinburgh	0948
Arrive London	1112
Depart London	1335
Arrive Tokyo	



(a) How long is the flight from Edinburgh to London?

(b) How long does he have to wait in London before his flight to Tokyo?

(c) If the flight duration from London to Tokyo is 11 hours 44 minutes, when will he arrive in Tokyo?